

1. Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

1-22. (cancelled).

23. (previously presented) A cleaning apparatus for penetrating and removing deposits from an internal wall of a kiln comprising a rotary drive unit operatively connected to a first end of a drill shaft; a drill bit suitable for drilling said deposits, attached to a second end of said drill shaft and oriented for coaxial rotation therewith; a portion of said drill shaft, intermediate said rotary drive unit and said drill bit, slidably received in a sleeve member permitting rotational and linear displacement of said drill shaft therein; and a fluid jet projecting from an outer surface of said drill shaft proximal said drill bit, said fluid jet in communication with a pressurized fluid source through said drill shaft, said communication comprising a plenum defined by an inner wall of said sleeve member, an outer surface of said drill shaft, and first and second sealing means spaced apart and sealingly engaging said sleeve member and said outer surface.

24. (previously presented) The cleaning apparatus of claim 23, wherein said communication further comprises at least one fluid inlet defined between an outer wall of said sleeve and said inner wall; and at least one aperture defined between said outer surface and a chamber defined internal said drill shaft, said chamber in fluid communication with said fluid jet.

pc 25. (previously presented) The cleaning apparatus of claim ^{23 wherein} ~~23 wherein~~ said first sealing means is positioned proximal said first end of said drill shaft, and said second sealing means is positioned proximal said second end of said drill shaft.